

**CLAIMS**

What is claimed is:

1. A washing and recycling system for use with removing paint and related spray coatings from a coated article, comprising:
  - a basin in which the coated article is disposed;
  - a reservoir connected to the basin and which holds a solvent which removes the paint and/or the related spray coatings from the coated article;
  - a washing system which is connected to the reservoir and to the basin such that the solvent from the reservoir is moved past a first filter to remove portions of the paint and/or the related spray coatings in the solvent, and the filtered solvent is moved into the basin so as to remove the paint and/or the related spray coatings from the coated article;
  - a recycling system which is connected to the reservoir and to the basin such that the solvent from the reservoir is moved past a second filter to remove portions of the paint and/or the related spray coatings in the solvent, and the filtered solvent is moved into the basin; and
  - a control system which controls the washing system to supply filtered solvent from the reservoir to the basin to remove the paint and/or the related spray coatings from the coated article during a washing operation, and which controls the recycling system during a recycling operation to move the solvent from the reservoir to the basin so as to maintain the solvent.
2. The washing and recycling system of claim 1, wherein the solvent comprises an aqueous, Hazardous Pollutants (HAPs) free, low VOCs (volatile organic compounds), non-flammable, non-toxic, non-carcinogenic, solvent.
3. The washing and recycling system of claim 2, wherein the solvent comprises a biodegradable and water dilutable solvent designed for the removal of residual paints.
4. The washing and recycling system of claim 1, wherein the control system further comprises a pump which selectively moves the solvent from the reservoir through the washing system and the recycling system.
5. The washing and recycling system of claim 4, wherein the pump comprises a pneumatic pump that pumps the solvent through the washing system and the recycling system.

6. The washing and recycling system of claim 4, wherein the basin further comprises an inlet and a grate disposed above the inlet and a bottom surface of the basin, the reservoir is defined between the bottom surface and the grate, and the pump removes the solvent from the reservoir through the inlet during the washing operation and the recycling operation.

7. The washing and recycling system of claim 4, wherein the first filter comprises a dry wound type filter and the second filter comprises a carbon block type filter.

8. The washing and recycling system of claim 4, wherein the first filter is other than the second filter such that, during the washing operation, the control system controls the solvent to pass through the first filter but to not pass through the second filter.

9. The washing and recycling system of claim 8, wherein the first filter is other than the second filter such that, during the recycling operation, the control system controls the solvent to pass through the second filter.

10. The washing and recycling system of claim 9, wherein the solvent comprises an aqueous, Hazardous Pollutants (HAPs) free, low VOCs (volatile organic compounds), non-flammable, non-toxic, non-carcinogenic, solvent.

11. The washing and recycling system of claim 10, wherein the solvent comprises a biodegradable and water dilutable solvent designed for the removal of residual paints.

12. The washing and recycling system of claim 11, wherein the pump comprises a pneumatic pump that pumps the solvent through the washing system and the recycling system.

13. The washing and recycling system of claim 12, further comprising a gun mount through which the solvent passes during the washing operation and on which a paint gun is mountable so as to remove the paint and/or the related spray coatings from the paint gun during the washing operation.

14. The washing and recycling system of claim 12, further comprising a cup mount through which the solvent passes during the washing operation and on which a cup from a paint gun is mountable so as to remove the paint and/or the related spray coatings from the cup during the washing operation.

15. The washing and recycling system of claim 12, further comprising a brush through which the solvent passes during the washing operation so as to clean a coated article.

16. The washing and recycling system of claim 1, further comprising an air hose, wherein the control system further controls a supply of compressed air passing through the air hose.

17. The washing and recycling system of claim 12, further comprising an air hose, wherein the control system further controls a supply of compressed air passing through the air hose, and the pneumatic pump receives the compressed air from the supply of the compressed air received by the air hose.

18. The washing and recycling system of claim 12, wherein the first filter and the second filter comprise a removable filter.

19. The washing and recycling system of claim 18, wherein the basin further comprises an inlet and a grate disposed above the inlet and a bottom surface of the basin, the reservoir is defined between the bottom surface and the grate, and the pump removes the solvent from the reservoir through the inlet during the washing operation and the recycling operation.

20. The washing and recycling system of claim 1, further comprising a non-atomizing mount through which the solvent passes during the washing operation and on which the coated article is mountable so as to remove the paint from the article during the washing operation.